

Claims

1. (currently amended) A tread of a vehicle tire comprising:

a tread layer of rubber material ~~on a tire carcass~~ having an outer surface, and the tread layer including pattern blocks separated from each other by wider grooves, and at least in part of these pattern blocks fine slits substantially narrower than the grooves and having a slit depth, each of the slits comprising within an area of the pattern block at least one bend or at least one end, wherein at least part of the pattern blocks comprises surface tear points between at least two adjacent slits, at least the two adjacent slits are both of a first slit type which includes two bends which open in substantially opposite directions, and at least both slits are interlaced in a row in uniform positions forming webs of a first type so that principal directions of intermediate sections between the two bends of the slits are either parallel or gradually changing their direction in a fan-like manner, and the row of interlaced slits is inclined with respect to a circumferential direction;

each of the surface tear points formed by webs located between an end of at least a first adjacent slit and an intermediate section of at least a second adjacent slit ~~or its end, or located between a bend of the first slit and the second slit or its bend;~~ and

nubs inside the pattern blocks defined by the adjacent slits and respective webs, the nubs having surface-areas;

wherein the webs have a thickness and a width dimensioned according to the rubber material of the tread layer so that, as the tire is in use during driving, the web tears into a tear depth inwardly from said outer surface of the tread, the tear depth being substantially smaller than the slit depth and at least 0.5 mm, and the width of the webs being at most five times a width of the slits.

2. (canceled)

3. (currently amended) The tread according to claim [[2]] 1, wherein the principal directions of the intermediate sections form an angle of deflection in relation to a constant row direction or a changing local row direction, the angle of deflection being between 30° and 90°.

4-9. (canceled)

10. (previously presented) The tread according to claim 1, wherein the webs that form the surface tear points are located on the convex side of the bends.

11. (previously presented) The tread according to claim 1, wherein the bends of the slits are in the form of one an angle or an arc, the angle formed by sides of the slit, the sides continuing as straight or curved sections of the slit, the arc continuing with one of a straight section, a convex section, or a curved section.

12. (original) The tread according to claim 11, wherein the angle is at least 60° and at most 120°, or the angle is between 80° and 100°.

13. (previously presented) The tread according to claim 11, wherein the arc extends in a single configuration to a first curvature defining an angle of at least 150°, and at most 210°, or between 170° and 190°, the arc continuing as sections of unchanged radius of curvature, or a second curvature defining an angle of at least 60°, and at most 120°, or between 80° and 100°, the arc continuing as substantially straight sections, or the arc continues in sections with a third curvature that is located between the second and first curvatures, the sections having a radius of curvature that is larger than the radius of curvature of the arc.

14. (previously presented) The tread according to claim 11, wherein a radius of curvature of the arc is at most three times the width of the slit.

15. (currently amended) The tread according to claim 1, wherein the slits extend, opening to one edge or two opposite edges of the pattern block, the edges of the pattern block being parallel or at most at an angle of 45° to ~~[[a]]~~ the circumferential direction of the tire.

16. (original) The tread according to claim 1, wherein the pattern block includes at least five nubs having substantial length and width in the circumferential direction of the tire and in a

lateral direction of the tread, the nubs being present in pattern blocks on shoulder areas of the tire and in pattern block towards the middle of the tire.

17. (previously presented) The tread according to claim 1, wherein the pattern block includes one or more rows of slits having a row direction transverse to the circumferential direction of the tire, and with the row direction forming a row angle between 90° and 45° in relation to the circumferential direction of the tire.

18. (previously presented) The tread according to claim 1, wherein the width of the webs is at most four times the width of the slit, or at most two times the width of the slit, or substantially equal to the width of the slit.

19. (previously presented) The tread according to claim 1, wherein a thickness of the webs is at most three times the width of the slit, or at least half of the width of the slit, or between .8 and 1.5 times the width of the slit.

20. (currently amended) The tread according to claim 1, wherein a thickness of the web and the width of the web are dimensioned according to the rubber material or materials of the tread layer so that, as the tire is in use during driving, the web tears into a depth calculated from an outer surface of the tread, the tear depth being ~~substantially smaller than a slit depth, or the tear depth is at least .5 mm and at most 1.5 mm, or at most 1.0 mm.~~

21. (previously presented) The tread according to claim 1, wherein the width of the webs is at most 1.5 mm and at least .3 mm, or the width of the web is between .5 mm and 1.0 mm, and a thickness of the web is at most 1.3 mm and at least .2 mm, or the thickness of the web is between .4 mm and .9 mm.

22. (original) The tread according to claim 1, wherein the webs that form surface tear points connect the adjacent nubs starting from a bottom of the slits with a measure decreasing as the tire wears out, the measure being smaller than a prevailing slit depth that decreases during the wearing out of the tire on each wear level.

23. (currently amended) A tread for a vehicle tire having a tire carcass, comprising:
a tread layer, the tread layer including pattern blocks separated from each other by wider grooves, and at least in part of these pattern blocks fine slits substantially narrower than the grooves and having a slit depth, each of the slits comprising within an area of the pattern block at least one bend or at least one end, wherein at least part of the pattern blocks comprises surface tear points between at least two adjacent slits, at least the two adjacent slits are both of a first slit type which includes two bends which open in substantially opposite directions, and at least both slits are interlaced in a row in uniform positions forming webs of a first type so that principal directions of intermediate sections between the two bends of the slits are either parallel or gradually changing their direction in a fan-like manner, and the row of interlaced slits are inclined with respect to a circumferential direction;

each of the surface tear points formed by webs located between an end of at least a first adjacent slit and an intermediate section of at least a second adjacent slit ~~or its end, or located between a bend of a first slit and the second slit or its bend;~~ and

nubs inside the pattern blocks defined by the adjacent slits and respective webs, the webs connecting adjacent nubs from bottoms of the slits, a height of the webs decreasing as the tire wears out, the height being smaller than a prevailing depth of the slit that decreases during the wearing out of the tire;

wherein a surface tear point depth is defined as the distance between the slit depth and the height of the webs, the tear depth being substantially smaller than the slit depth, but at least 0.5 mm, the surface tear point depth remaining substantially constant as the tire wears out.

24-30. (canceled)

31. (original) The tread according to claim 23, wherein a width of the web is at most four times the width of the slit or the width of the web is at most two times the width of the slit.

32-35. (canceled)